

ABSTRACT OF THE DISCLOSURE

A shuttle valve mounted between a pneumatic piston and a ring plate in a reciprocating pneumatic motor and moved to control the passage between a shuttle compression chamber and a radial air inlet hole in the pneumatic piston, the shuttle valve having a press rod supported on a compression spring and forced out of the front end of the body of the shuttle valve for pressing against the cylinder cover of the reciprocating pneumatic motor, enabling the shuttle valve to shut off automatically at an early stage so as to extend the piston stroke when the pneumatic piston bears the load, or to shorten the piston stroke when the pneumatic piston bears no load.